



Form PTO-1449				Docket Number 24313-20001.05		Application Number 08/484,340	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant <p style="text-align: center;">LLOYD M. SMITH et al.</p>			
Filing Date 07 June 1995				Group Art Unit 1807 1655			
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #f0f0f0; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 100px; font-size: 2em; font-weight: bold;"> MAIL ROOM APR 5 1996 PAT. & TRADEMARK OFFICE </div> </div>							
U.S. PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
OTHER DOCUMENTS <i>(including author, title, Date, Pertinent Pages, Etc.)</i>							
Examiner Initials	Ref. No.	Title					
	1.	Bouloy, M. et al., "Cap and internal nucleotides of reovirus mRNA primers are incorporated into influenza viral complementary RNA during transcription <i>in vitro</i> " <i>Journal of Virology</i> (1979) 32(3):895-904.					
	2.	Plotch, S.J. et al., "Transfer of 5'-terminal cap of globin mRNA to influenza viral complementary RNA during transcription <i>in vitro</i> " <i>Proceedings the National Academy of Science USA</i> (1979) 76(4):1618-1622.					
EXAMINER: <u>PAUL B. TRAW</u>				DATE CONSIDERED: <u>12/10/96</u>			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.							

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 243132000105	Application Number 08/46
	Applicant L. M. Smith et al.	
	Filing Date 06/07/95	Group Art Unit 1807-1655

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
PB	1.	05/19/87	4,667,025	Miyoshi et al.			10/24/85
PB	2.	08/12/86	4,605,735	Miyoshi et al.			02/09/84
PB	3.	003/01/83	4,375,401	Catsimpoalas			05/20/81

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
PB	4.	Brumbaugh et al., "Continuous, on-line DNA sequencing using oligodeoxynucleotide primers with multiple fluorophores" <i>Proc. Natl. Acad. Sci. USA</i> (1988) 85:5610-5614.
PB	5.	Matthews et al., "Analytical strategies for the use of DNA probes" <i>Analytical Biochem.</i> (1988) 169:1-25.
PB	6.	Prober et al., "A system for rapid DNA sequencing with fluorescent chain-terminating dideoxynucleotides" <i>Science</i> (1987) 238:336-341.

EXAMINER: PAUL B. TRAW	DATE CONSIDERED: 12/10/96
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Form PTO-1449	Docket Number 24313-20001.05	Application Number 08/484,340
MAIL INFORMATION DISCLOSURE CITATION MAR 63 IN AN APPLICATION 18 1996 <i>(Use several sheets if necessary)</i>		Applicant LLOYD M. SMITH et al.
Filing Date 07 June 1995		Group Art Unit 1807 1655

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
PB	1.	12/15/92	5,171,534	Smith et al.			
PB	2.	10/10/78	4,119,521	Chirikjian			
PB	3.	08/13/85	4,534,647	Gross et al.			
PB	4.	04/24/79	4,151,065	Kaplan et al.			
PB	5.	03/09/82	4,318,846	Khanna et al.			
PB	6.	08/08/89	4,855,225	Fung et al.			
PB	7.	12/08/87	4,711,955	Ward et al.			
PB	8.	11/15/83	4,415,732	Caruthers et al.			
PB	9.	10/02/84	4,474,948	Hudson et al.			
PB	10.	11/20/84	4,483,964	Urdea et al.			
PB	11.	02/19/85	4,500,707	Caruthers et al.			
PB	12.	05/14/85	4,517,338	Urdea et al.			
PB	13.	07/01/86	4,598,049	Zelinka et al.			
PB	14.	07/12/88	4,757,141	Fung et al.			
PB	15.	07/18/89	4,849,513	Smith et al.			
PB	16.	05/14/91	5,015,733	Smith et al.			
PB	17.	06/02/92	5,118,800	Smith et al.			
PB	18.	06/02/92	5,118,802	Smith et al.			
PB	19.	11/10/92	5,162,654	Kostichka et al.			
PB	20.	05/18/93	5,212,304	Fung et al.			
PB	21.	11/02/93	5,258,538	Fung et al.			
PB	22.	11/22/94	5,366,860	Bergot et al.			

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Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
PB	23.	09/29/83	WO 83/03260	PCT			
PB	24.	01/26/83	070687	Europe			

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	Applicant LLOYD M. SMITH et al.	
	Filing Date 07 June 1995	Group Art Unit 1807 1655

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
PB	25.	01/04/84	097341	Europe				
PB	26.	12/03/74	49-126395	Japan				
PB	27.	01/05/83)	0068875	Europe				
PB	28.	07/07/83	WO 83/02277	PCT				
PB	29.	05/29/84	59-93100	Japan				
PB	30.	03/13/84	59-44648	Japan				
PB	31.	12/22/83	58-502205	Japan				
PB	32.	12/22/82	57-209297	Japan				
PB	33.	04/19/95	0261283	Europe				

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Examiner Initials	Ref. No.	Title
PB	34.	Prober et al., "A system for rapid DNA sequencing with fluorescent chain-terminating dideoxynucleotides" <u>Science</u> (1987) 238:336-341.
PB	35.	Brumbaugh et al., "Continuous, on-line DNA sequencing using oligodeoxynucleotide primers with multiple fluorophores" <u>Proc. Natl. Acad. Sci. USA</u> (1988) 85:5610-5614.
PB	36.	Matthews et al., "Analytical strategies for the use of DNA probes" <u>Anal. Biochem.</u> (1988) 169:1-25.
PB	37.	Barrio, J.R. et al., "Fluorescent adenosine and cytidine derivatives" <u>Biochem. Biophys. Res. Comm.</u> (1972) 46(2):597-604.
PB	38.	Eshaghpour, H et al., "Specific chemical labeling of DNA fragments" <u>Nucl. Acids Res.</u> (1979) 7(6):1485-1495.
PB	39.	Fiddes et al., "Isolation, cloning and sequence analysis of cDNA for the I-subunit of human chorionic gonadotropin" <u>Nature</u> (1979) 281:351-356.
PB	40.	Guo et al., "New rapid methods for DNA sequencing based on exonuclease III digestion followed by repair synthesis" <u>Chem. Abstr.</u> (1982) 97:162 (abstract no. 1521k).
PB	41.	Husimi, Y., "DNA Sequencer" <u>Oyo Buturi</u> (1982) 51(12):1400.

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		Applicant LLOYD M. SMITH et al.	
		Filing Date 07 June 1995	Group Art Unit 1807 1655
OTHER DOCUMENTS <i>(including author, title, Date, Pertinent Pages, Etc.)</i>			
Examiner Initials	Ref. No.	Title	
PB	42.	Husimi, Y. et al., "Automation and Testing of DNA Base Sequence Determination Methods" <u>Development of Physical Means of Measurement and Software for Informed Macromolecular Analysis</u> (March 1984) pp. 20-25.	
PB	43.	Secrist, J.A. et al., "Fluorescent modification of adenosine 3',5'-monophosphate: Spectroscopic properties and activity in enzyme systems" <u>Science</u> (1972) 175 :279-280.	
PB	44.	Stanley et al., "A different approach to RNA sequencing" <u>Nature</u> (1978) 274 :87-89.	
PB	45.	Tsuchiya, M. et al., "Developments of DNA fluorescent labeling and real-time fluorescent detection gel electrophoresis methods" <u>Biophysics</u> (1982) 22 :2-E-19.	
PB	46.	Ulanov et al., "Electron microscopic determination of guanosine localization in DNA" <u>Chem. Abstr.</u> (1967) 67 :1692 (abstract no. 17910c).	
PB	47.	Wada, A., "DNA" <u>Japan Science and Technology</u> (1983) 24 (#221):84-91.	
PB	48.	Cotrufo et al., "High sensitivity method for fluorofore detection in gradient polyacrylamide slab gels through excitation by laser light: Application to glycoproteins stained with concanavalin A-fluorescein isothiocyanate" <u>Anal. Biochem.</u> (1983) 134 :313-319.	
PB	49.	Gilbert, "DNA-sequenzierung und gen-struktur (Nobel-Vortrag)" <u>Angewandte Chemie</u> (1981) 93 :1037-1046.	
PB	50.	Maxam et al., "A new method for sequencing DNA" <u>Proc. Natl. Acad. Sci. USA</u> (1977) 74 :560-564.	
PB	51.	Maxam et al., "Sequencing end-labeled DNA with base-specific chemical cleavages" <u>Meth. Enzymol.</u> (1980) 65 :499-559.	
PB	52.	Gill et al., "New developments in chemiluminescence research" <u>Aldrichimica Acta</u> (1983) 16 :59-61.	
PB	53.	Mellbin, "A chemiluminescence detector for trace determination of fluorescent compounds" <u>J. Liq. Chrom.</u> (1983) 6 :1603-1616.	
PB	54.	Sanger et al., "DNA sequencing with chain-terminating inhibitors" <u>Proc. Natl. Acad. Sci. USA</u> (1977) 74 :5463-5467.	
PB	55.	Smith, "DNA sequence analysis by primed synthesis" <u>Meth. Enzymol.</u> (1980) 65 :560-580.	
PB	56.	Smith et al., "The synthesis of oligonucleotides containing an aliphatic amino group at the 5' terminus: Synthesis of fluorescent DNA primers for use in DNA sequence analysis" <u>Nucl. Acids Res.</u> (1985) 13 :2399-2412.	
PB	57.	Dörper et al., "Improvements in the phosphoramidite procedure for the synthesis of oligodeoxyribonucleotides" <u>Nucl. Acids Res.</u> (1983) 11 :2575-2584.	
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EXAMINER: PAUL B. STRAN		DATE CONSIDERED: 12/10/96	
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		Applicant LLOYD M. SMITH et al.	
		Filing Date 07 June 1995	Group Art Unit 1807 1655
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Examiner Initials	Ref. No.	Title	
PB	59.	Titus et al., "Texas red, a hydrophilic, red-emitting fluorophore for use with fluorescein in dual parameter flow microfluorometric and fluorescence microscopic studies" <u>J. Immunol. Meth.</u> (1982) 50:193-204.	
PB	60. /	Dialog™ English abstract of Japanese Patent Publication No. 60-161559 (08/23/85). —	
PB	61. /	Dialog™ English abstract of Japanese Patent Publication No. 60-242368 (12/02/85). —	
PB	62. /	Dialog™ English abstract of Japanese Patent Publication No. 59-126252 (07/20/84). —	
PB	63.	Tsuchiya, M., "Fluorescence labelling of DNA and development of a real-time fluorescence detection gel electrophoresis method." <u>Abstract for Master's Thesis, Saitama University</u> (1983).	
PB	64.	Kagakukai ed., "Fluorescence tagging" <u>"Biochemistry Experiments Course 2, Nucleic Acid Chemistry III"</u> (1977) pp. 299-317.	
PB	65.	Yang et al., "Studies of transfer RNA tertiary structure by singlet-singlet energy transfer" <u>Proc. Natl. Acad. Sci. USA</u> (1974) 71(7):2838-2842.	
PB	66.	Yoshioka et al., "Method for determining a DNA nucleotide sequence. I" <u>Cell Engineering</u> (1982) 1(1):93-101.	
PB	67.	Lee et al., "Transcription of adenovirus type 2 genes in a cell-free system: Apparent heterogeneity of initiation at some promoters" <u>Molecular and Cellular Biology</u> (1981) 1(7):635-651.	
PB	68.	Nomiya et al., "Method for determining a DNA nucleotide sequence. II" <u>Cell Engineering</u> (1982) 1(2):105-115.	
PB	69.	Draper et al., "A method for linking fluorescent labels to polynucleotides: Application to studies of ribosome-ribonucleic acid interactions" <u>Biochemistry</u> (1980) 19(9):1774-1781.	
PB	70.	Bauman et al., "A new method for fluorescence microscopical localization of specific DNA sequences by <i>in situ</i> hybridization of fluorochrome-labelled RNA" <u>Exp. Cell Res.</u> (1980) 128:485-490.	
PB	71.	Douglass et al., "Methods and instrumentation for fluorescence quantitation of proteins and DNA's in electrophoresis gels at the 1 ng level" in <u>Electrophoresis '78</u> , N. Catsimpoolas, ed. (1978) pp. 155-165.	
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